The reach of R.F.Furchgotte and L.J.Ignarro which leads to the "NO theory" has shock the whole world. My invention is a combined patent including pharmacology as well as isolation and purification of Bombyx moriL. In my product, Bombyx moriL accounts for 56%, others 44%. We also adopt WLD resin absorption, other purification technology, and gas chromatography. The biological activity is ensured because all the process is at 85°C. My product has selective effect on cavernous body, increasing cGMP and NO by the inhibition in of PED₅ enzymes. The Doppler test for the maximum and average blood flow in cavernous body also further proved the conclusion of the pharmacological activity.

Abstract of (attached table 1)

Abstract of the Disclosure

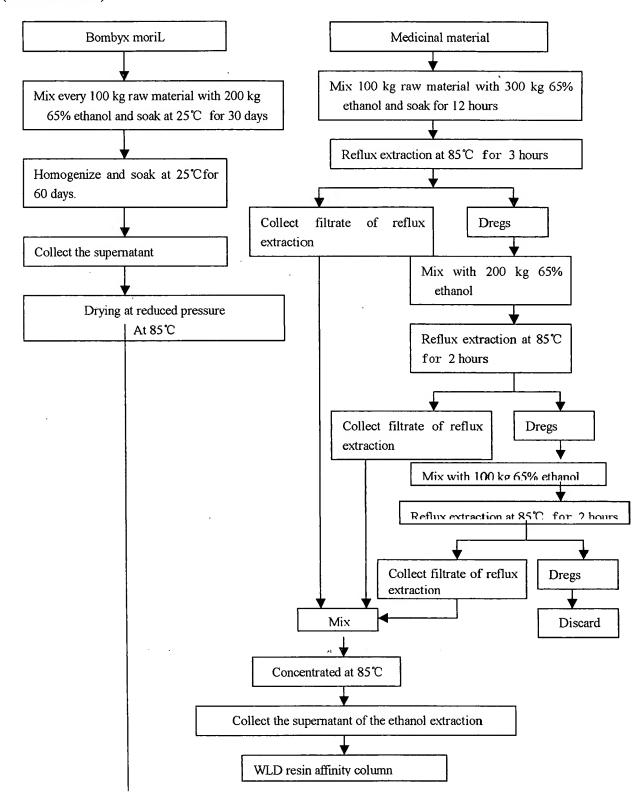
1 Bo	ombyx moriL	2	Rhizoma corydalis	3	Fructus Schisandae		
Sa	turniidae						
Antheraea Pernyi			averaceae Corydalis	Mag	moliaceae Schisandra		
Gnerin-ı	meneville (male adult)	Yar	uhuso W.T.Wang (dry	Chir	nensis(Tuncz)Baill (fruit)		
		ster	n tuber)				
4 He	erba Epimedii	5	Cortex Cinnamomi	6	Semen Trigonellae		
Berberio	daceae Epimedium	Laı	iraceae Cinnamomum	Leg	uminosae Trigonella		
brevicoram Maxm (falling			ssia Presl (dry hide)	foen	num-graecuml (seed)		
branche	s)						
7 Se	men Cuscutae	8	SemenAllii Tuberosi	9	Fructus Foeniculi		
Convol	vu laceae(cuscutoideae)	LiLiaceae Allium			Umbelliferae Foeniculum		
Cuscuta	Chinensis Lam (fruit)	tuberosum RottL. (seed)			Vulgaremill (fruit)		
10 He	erba Cistanchis	11 Common Panaxoside-			12 Radix Achyranthis-		
Oroban	chaceae Cistanche	Gir	nseng Araliaceae Panax	Bide	entatae Amaranthaceae		
desertic	ola Y.C.Ma (succulent	Gir	nseng C.A.Mey (dry	Ach	yranthes bidentata BL.		
stem)		root)		(dry	(dry root)		
13 RI	nizoma Carculiginis	14	Fructus Cnidii				
Ainary Ilidaceae Curcudigo			nbelliferae Cnidium				
Orchioi	des Gaertn(root and	Monnieri(L.)Cuss.(fruit)					
stem)							

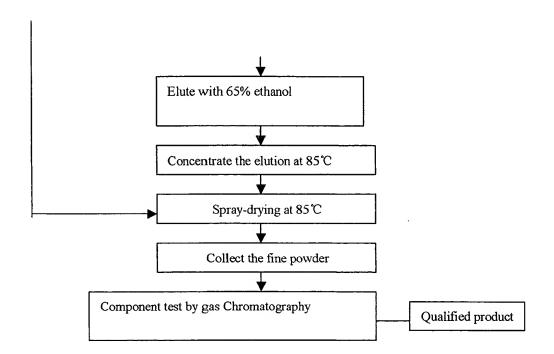
(attached table 2)

Total: 100%

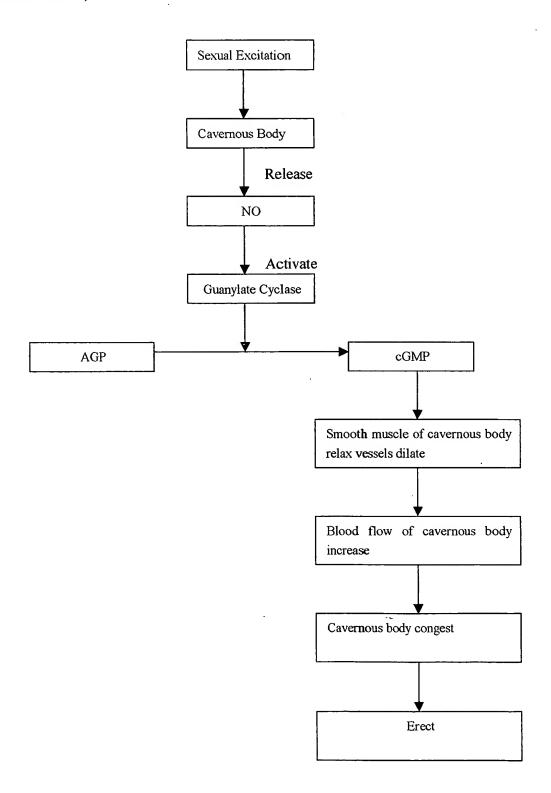
1. Bombyx moriL	56%
2. Rhizoma Corydalis	6.5%
3. Fructus Schisandae	5.5%
4. Herba EpimeiL.	4.4%
5. Cortex Cinnamomi	2.2%
6. Tritonelliae Gyaesin	3.5%
7. Semen Cuscutae	2.0%
8. Semen Alii Tuberosi	2.2%
9. Fructus Foeniculi	1.1%
10. Herba Cistanchis	1.1%
11. Common Panaxoside Ginseng	6.5%
12. Radix Achyranthis Bidentatae	4.4%
13. Rhizoma Curculiginis	3.5%
14. Fructus cnidii	1.1%

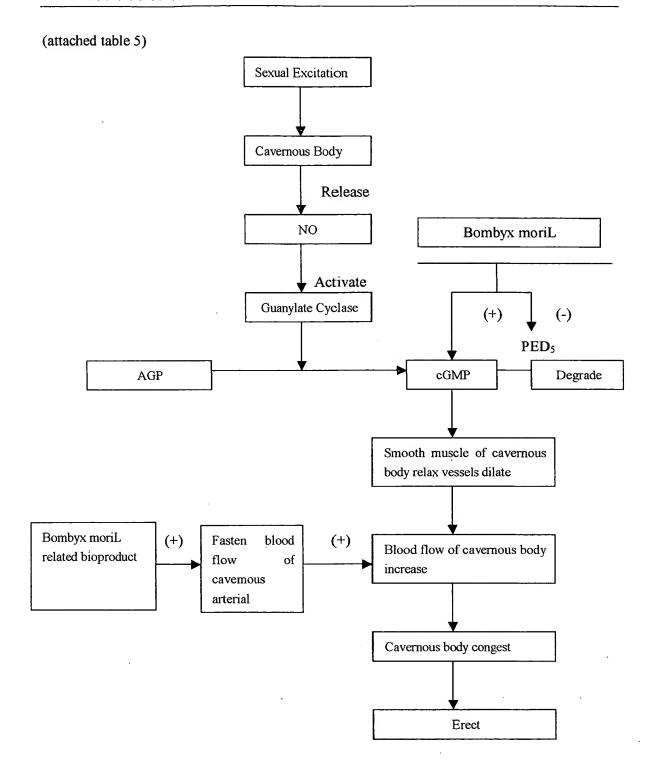
(attached table 3)



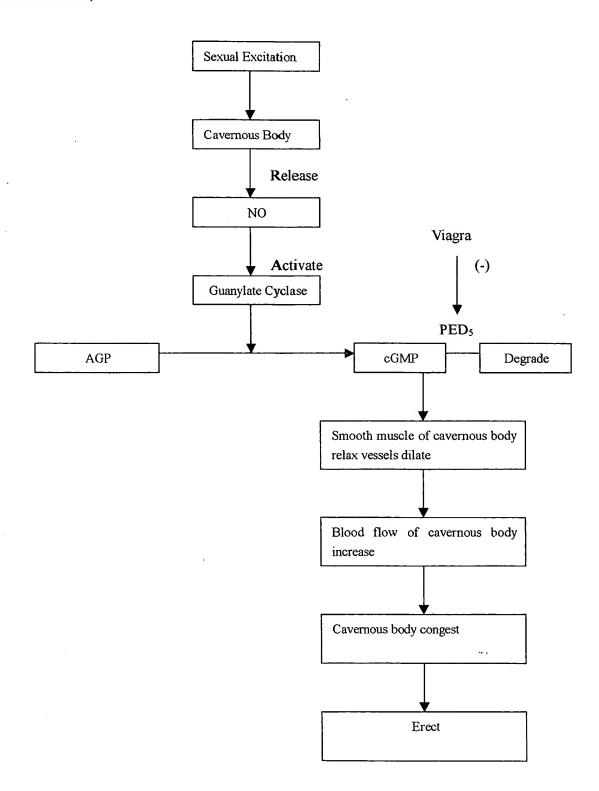


(attached table 4)





(attached table 6)



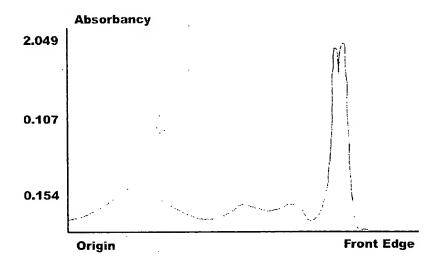
(attached table 7)

Consum	Number of Animal	Mobility of	Mobility of 2nd
Group	(n)	1st. band X±SD	band X ±SD
Blank Comparison (Normal Saline)	10	0.21±0.01	0.21±0.01
Viagra 6mg/kg	10	0.21±0.01	0.1±0.05
Viagra 12mg/kg	10	0.21±0.01	0.08±0.02
Product mainly consisting of bombyx moriL200mg/kg	10	0.23±0.01	0.09±0.01
Product mainly consisting of bombyx moriL 400mg/kg	10	0. 22± 0.01	0.08±0.01

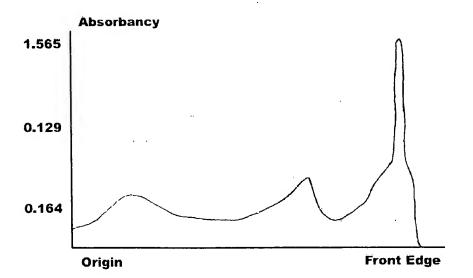
(attached table 8)

Group	Number of Animal (n)	Peak Area X±SD	P Value
Blank Comparison (Normal Saline)	10	0.495±0.328	
Viagra 6mg/kg	10	0.249±0.126	P<0.05
Viagra 12mg/kg	10	0.198±0.092	P<0.05
Product mainly consisting of bombyx moriL 200mg/kg	10	0.306±0.168	
Product mainly consisting of bombyx moriL 400mg/kg	10	0.215±0.521	P<0.05

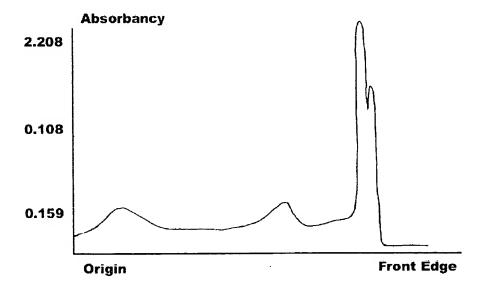
(attached table 9)



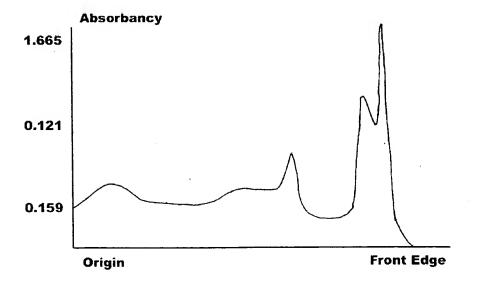
(attached table 10)



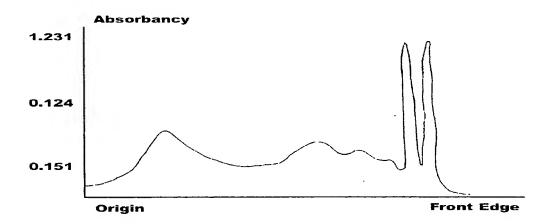
(attached table 11)



(attached table 12)



(attached table 13)



(attached table 14)

Group	Number of Animals	Pmol/ml X±SD	P	Remarks
Control Group(NS)	10	2.59±0.48		
Viagra Group 6mg/kg	10	4.53±0.67	P<0.001*	Contrast with control group
Viagra Group 12mg/kg	10	4.42±0.97	P<0.001	Contrast with control group
Product mainly consisting of bombyx moril. Group200mg/kg	10	3.88±1.01	P<0.01*	Contrast with control group
Product mainly consisting of bombyx moriL Group 400mg/kg	10	2.80±0.18	p>0.2	Contrast with control group

^{*}Very significant difference

^{**}Significant difference

(attached table 15)

Group	Number of Animais	Pmol/ml X±SD	Р	Remarks
Control Group (NS)	10	0.25±0.05		
Viagra Group 6mg/kg	10	0.40±0.26	P<0.1	Contrast with control group
Viagra Group 12mg/kg	10	0.53±0.12	P<0.001	Contrast with control
Product mainly consisting of bombyx moriL Group 200mg/kg	10	0.45±0.17	P<0.01	Contrast with control
Product mainly consisting of bombyx moriL Group 400mg /kg	10	0.43±0.13	P<0.001	Contrast with control

(attached table 16)

Groups	Dosage (mg/kg)	Anima value Numbers	NO contents umol/L X±SD	Р
Negative control	0.5 ml of the physical saline solution	10	29.2±5.37	
Viagra low	6	10	44.88±9.47	P<0.01
Viagra high	12	10	48.52±17.95	P<0.05
Product mainly consisting of bombyx moriL low	200	10	41.98±16.11	P<0.05
Product mainly consisting of bombyx moriL high	400	10	42.36±13.04	P<0.05

^{*}NOTE: When compared the NO contents of tested drug groups with the control groups.

(attached table 17)

		Dosage mg	Blood flow rate (cm/s, X±SD)						
Group	Case		MAX			MIN			
	Number n		Before administrati on	l h after administration	2h after administrati on	Before administration	Ih after administration	2hafter administrati on	
Product mainly consisting of bombyx moriL	11	800	9.18±2.27	+4.64±2.25***	+2.0±2.19*	1.09±0.70	+0.3 6± 0.67	+0.36±1.03	
Product mainly consisting of bombyx moril	12	1600	9.25±1.42	· +6.75±4.0***	+3.33±2.71*	1.17±0.58	+0.17±0.39	+0.25±0.62	
Viagra	11	25	9.55±2.58	+4.36±2.98***	+2.45±3.78*	1.09±0.30	+0.27±1.01	+0.36±0.81	
Viagra	12	50	9.58±1.08	+5.67±4.31***	+1.75±2.63*	1.25±0.62	+0.17±0.72	+0.17±0.91	

		Dosage mg	Blood flow rate (cm/s, X±SD)						
Group	Case		TAMX			PI, X±SD			
	Number n		Before administrati on	lh afteradministration	2h after administrati on	Before administration	Ih after administration	2h after administrati on	
Product mainly consisting of bombyx moriL	11	800	2.45±1.29	+1.09±0.94**	+0.18±0.98	3.47±1.27	+0.24±1.24	+0.32±1.71	
Product mainly consisting of bombyx moril.	12	1600	2.50±0.67	+1.17±0.83***	+0.42±1.31	3.43±0.74	+0.87± 0 .63***	+0.45±1.43	
Viagra	11	25	2.64±1.12	+1.36±1.43*	0.18±1.17	3.24±1.02	-0.19±1.16	+0.10±0.85	
Viagra	12	50	2.67±0.78	+1.43±1.27**	0.50±0.80	3.37±0.79	+0.24±0.84	-0.33±0.72	

Contrasted with amount before administration,*P<0.05, **P<0.01, ***P<0.001;"+,-"as increasement or decreasement

(attached table 18)

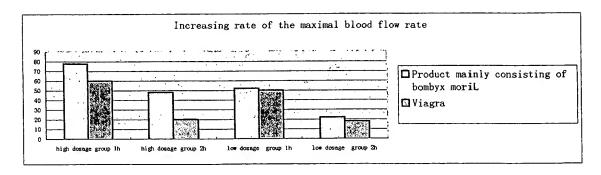


Chart 1 the influence of product mainly consisting of bombyx moriL and viagra on the cavernous arteral maximal blood flow rate of normal females

(attached table 19)

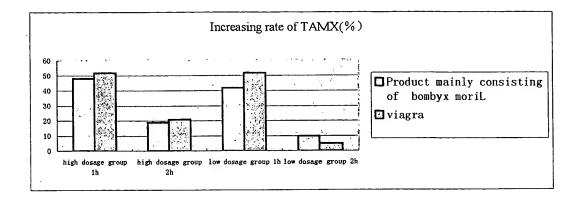
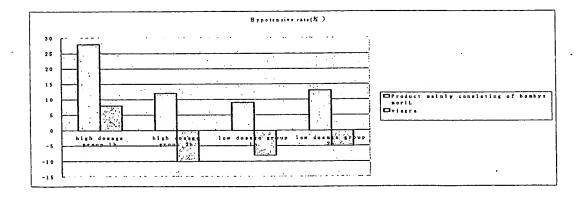


Chart 2 the influence of product mainly consisting of bombyx moriL and viagra on the cavernous arterial average blood flow rate of normal males

(attached table 20)

Chart3 the influence of Product mainly consisting of bombyx moriL and viagra on the cavernous arterial pulsation index



(attached table 21)

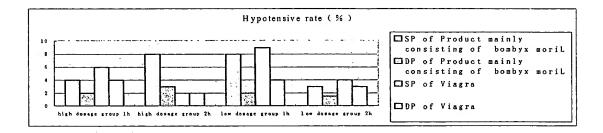


Chart 4 the influence of product mainly consisting of bombyx moriL and viagra on the blood pressure

(attached table 22)

			Blood Pressure (mmHg, X±SD)						
	_			Systolic Pressur	e	Diastolic Pressure			
Group	Dosage mg		Before administrati on	Ih after administratio n	2h after administrtion	Before administration	lh after	2h after administrtion	
Product mainly consisting of bombyx moriL	800	11	118.6±5.9	-9.1±6.6**	+3.2±6.0	81.4±6.0	-1.8±5.6	-1.4±4.5	
Product mainly consisting of bombyx moril	1600	12	120.0±9.4	-5.5±6.0*	+9.5±9.3**	78.5±10.5	-2.0±6.8	-2.5±6.3	
Viagra	25	11	120.5±10.6	-10.0±6.3**	-3.5±6.2	81.8±6.4	-2.7±4.7	-1.8±4.6	
Viagra	50	12	117.7±9.8	-7.3±6.1**	-2.7±5.6	78.6±10.7	-3.4±7.2	-2.0±6.4	

Contrasting with that before administraton, *P<0.05 \ **P<0.01 \ ***P<0.001; "+\

-"expressed as increasement or decreasement.